

Date: Thu, 7 Jan 93 08:36:18 PST  
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>  
Errors-To: Info-Hams-Errors@UCSD.Edu  
Reply-To: Info-Hams@UCSD.Edu  
Precedence: Bulk  
Subject: Info-Hams Digest V93 #32  
To: Info-Hams

Info-Hams Digest                    Thu, 7 Jan 93                    Volume 93 : Issue 32

Today's Topics:

    1200Mhz is not a microwave band!  
    144Mhz band reject and band pass filter (2 msgs)  
        Alinco DJ180T Opinions  
    CFD: proposal for rec.radio.amateur.standup.philosophy  
        County Hunter reports  
        Cq Rtty experts...  
        License delays  
    Online Repeater Directory! Watch For It!  
    Re: 430MHz band under threat!  
        Satellite Orbital Elements  
        Subscribing to info-hams  
        Thanks  
    W5YI - Economical with the truth? (2 msgs)  
    WANTED: Repeater controller comments  
        WWV Phone number?

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>  
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>  
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available  
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text  
herein consists of personal comments and does not represent the official  
policies or positions of any party. Your mileage may vary. So there.

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Date: Thu, 07 Jan 93 01:47:07 CST  
From: usc!wupost!spool.mu.edu!umn.edu!uum1!kksys.com!edgar!brainiac!moron!pillock!  
stevej@network.UCSD.EDU  
Subject: 1200Mhz is not a microwave band!  
To: info-hams@ucsd.edu

rrgd50@email.sps.mot.com (Chris Terwilliger) writes:

> by the way...has anyone ever used tried to modulate old oven parts???  
> Seems like a good project for someone with an oven they don't use any  
> more...  
>

This has actually already been done. I can't find the article at the moment but I believe it was documented about two years ago in 73mag, QST, qnd the ATV mag.

This is quite funny because several years ago I joked with a friend about modulating the magnetron in a microwave. About a year or two later I read a very tongue and cheek article in the British ATV mag. about the same thing.

Two years later someone had stabilized a magnetron enough to use it to create a 2.4ghz AM TV transmitter with about 250 watts RF output. I personally think this is a good way to get birds off the antenna. Instant lunch too ;-)

Steve KA0VYB

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Date: Thu, 7 Jan 1993 14:01:42 GMT  
From: swrinde!zaphod.mps.ohio-state.edu!uwm.edu!linac!att!cbnewsm!  
nk30@network.UCSD.EDU  
Subject: 144Mhz band reject and band pass filter  
To: info-hams@ucsd.edu

I am trying to remove or attenuate a 144Mhz signal from entering my tv. I am looking for a band reject filter for the tv sets and a band pass filter for the transmitter. I have searched the handbook and there is a bandpass filter for the transmitter, is there other sources? The filters impedance must be 75 ohms in and out and 300 ohms in and out. Any ideas?

Thank you  
Jeff Zell  
NK30

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Date: Thu, 7 Jan 1993 15:02:43 GMT  
From: swrinde!zaphod.mps.ohio-state.edu!magnus.acs.ohio-state.edu!cis.ohio-  
state.edu!pacific.mps.ohio-state.edu!linac!att!cbnewsk!cbnewsj!att-out!cbfsb!  
cbnewsb.cb.att.com!wa2ise@network.UCSD.EDU  
Subject: 144Mhz band reject and band pass filter  
To: info-hams@ucsd.edu

In article <1993Jan7.140142.5491@cbnewsm.cb.att.com> nk30@cbnewsm.cb.att.com (JEFF ZELL NK30) writes:

> I am trying to remove or attenuate a 144Mhz signal from entering my tv.  
> I am looking for a band reject filter for the tv sets and a band pass filter

>for the transmitter. I have searched the handbook and their is a bandpass  
>filter for the transmitter, is their other sources? The filters impedance must  
be 75 ohms in and out and 300 ohms in and out. Any ideas?

You might want to try a transmission line trap. It's a 1/4 wave stub, open end at far end looks like a short at the freq you want to trap.

length in inches =  $(2953 \text{ K})/\text{freq in MHz}$ , where K= 0.66 for coax, 0.83 for twin lead. Make it a little longer, and nibble away in small pieces till you attenuate the annoying frequency.

I've made these, and it's easy, and works pretty well. you can get 20 30dB or so attenuation.

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source: Television Engineering Handbook, Benson, isbn 0-07-004779-0, pg 13.68

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Date: Wed, 06 Jan 1993 08:59:43 GMT  
From: nwnexus!jhgrud!eskimo!ssc!tad@uunet.uu.net  
Subject: Alinco DJ180T Opinions  
To: info-hams@ucsd.edu

My pal Howie, KE7QJ (who can't seem to figure out how to access this newsgroup) is interested in opinions on the Alinco DJ180T HT.

If you have used one, or know anything about this, could you send Howie a note? He is at hlester@as.arizona.edu

--  
Tad Cook | Phone: 206-527-4089 (home) | MCI Mail: 3288544  
Seattle, WA | Packet: KT7H @ N7DUO.WA.USA.NA | 3288544@mcimail.com  
| Internet: tad@ssc.com | or...sumax!ole!ssc!tad

-----  
Date: 7 Jan 93 12:43:14 +0200  
From: mcsun!sunic!ebc.ee!tuc!juhan@uunet.uu.net  
Subject: CFD: proposal for rec.radio.amateur.standup.philosophy  
To: info-hams@ucsd.edu

In <1993Jan6.003757.22004@elroy.jpl.nasa.gov> Gregory R. LaBorde (laborde@oak.Jpl.Nasa.Gov) asks:

:> But what would be left for r.r.a.misc?

rec.radio.info :-)

--  
Juhani Poeldvere, ES5QX | juhan@chem.ut.ee  
Tartu University, Dept. of Chemistry | fax: 7+01434+35440  
2 Jakobi St., EE-2400, Tartu, Estonia | voice: 7+01434+35429

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Date: 6 Jan 1993 21:35:53 GMT  
From: usc!sol.ctr.columbia.edu!usenet.ucs.indiana.edu!master.cs.rose-hulman.edu!  
master.cs.rose-hulman.edu!news@network.UCSD.EDU  
Subject: County Hunter reports  
To: info-hams@ucsd.edu

Could someone post the reports that county hunters use? I've heard  
"threes" and such and would like to know what reports they use and what  
they mean.

tnx es 73 de Jack, K9CUN (County: VIGO, State: IN)

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Date: Wed, 06 Jan 1993 22:34:19 -0600  
From: swrinde!gatech!paladin.american.edu!darwin.sura.net!spool.mu.edu!umn.edu!  
uum1!kksys.com!tdkt!FredGate@network.UCSD.EDU  
Subject: Cq Rtty experts...  
To: info-hams@ucsd.edu

Joe writes,

JC> I built a RTTY demod and wrote a simple prog to read the  
JC>serial port so I could copy RTTY on my PC. Unfortunately, most  
JC>RTTY is baudot (5 bit) and not the 8 bit ACII which I can copy.  
JC> If anyone has a source code ( C or BASIC) or algorithm or  
JC>even a few ideas on how to copy baudot with a PC using a simple demod,  
JC>I'd be very grateful if I could procure same.

Joe, find a copy of the program HAMCOM, that will do it.

73 de Claton Cadmus, KA0GKC

Packet: KA0GKC @ WB0GDB.MN.USA.NA  
Fido Netmail: Claton Cadmus 1:282./100  
Internet Email: Claton.Cadmus@f100.n282.z1.tdkt.kksys.com

\* SLMR 2.1a \* It's cold in Minnesota!

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Date: 7 Jan 93 15:42:29 GMT  
From: news-mail-gateway@ucsd.edu  
Subject: License delays  
To: info-hams@ucsd.edu

> More likely be W5YI \*and\* the ARRL.....I took my upgrade with the  
>ARRL and to date, it has been almost 12 weeks now.....for an UPGRADE!!!  
>ARRRRGGHHHHH!!! ;-)  
> I've called the FCC and if you think Mr. W5YI himself is  
>rude, you might get a real kick talking to these idiots.....

the ARRL/VEC folks can defend themselves on whether or not they sell names and addresses of newly minted hams. I believe the answer will be NO from the VEC.

Probably the style of answer you get is a function of how you pose the question. and i can imagine people getting pretty short when you have a day full of obnoxious, selfish questioners calling in.....

> Then again, there's this one guy here that tested a week \*after\* I  
>did (with the W5YI VE Team...) and got his call (Tech) about two weeks  
>ago.....the lam-o excuse I got from the FCC was that they only had 2 people

i dunno if telling the truth makes it an "excuse". Could be there was something with \*your\* session that caused a delay.

>processing applications for both amateur \*and\* business licenses and only \*1\*  
>keyer to punch it all into the computer. From what I understand, they fire  
>and hire on a Very regular basis (could it be an efficiency thing?) and that  
>if we want anything done about it to, "Write to the congressmen and tell them  
>we [the FCC] are understaffed!"

it would take more than just adding people if they don't have the additional tools to let those people get the work done (additional computer terminal, would be one).

> I still don't get it...One guy tests a week \*after\* I do...for a  
>brand new license...I test a week before for an Upgrade...and \*he\* gets his  
>first.....

the other guy lives a charmed life. or the FCC is holding yours up for a Really Good Call Sign (not!).

> Don't get me wrong, I really am happy for the guy bein' a new ham and >all, but 12 weeks is just a tad excessive.....It should not be taking this >long.....

if anything we want the delays to be longer. this indicates a sustained

growth in the amateur service and would demand the commission add additional staffing to process the larger numbers of applications.

Probably we need to work on moving the prime time for amateur radio classes from the Fall to the Spring. Miss the christmas vacation holes that way.

73, bill wb9ivr

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Date: 7 Jan 1993 15:30:32 GMT  
From: swrinde!emory!gatech!destroyer!fmsrl7!ef2007!ef5003!www@network.UCSD.EDU  
Subject: Online Repeater Directory! Watch For It!  
To: info-hams@ucsd.edu

In article <1992Dec30.161041.5123@ms.uky.edu> johnr@mik.uky.edu (John S. Roberts, Jr.) writes:

>  
>Yeah right! 99% of the ham radio operators I know expect programmers to  
>distribute their software as public domain. Ham's (including myself) are too  
>cheap to have this type of setup. Just watch for a nice windows (and NT)  
>version of the software to allow people to find repeaters relative to their  
>location.

>  
>John  
>--

>--+ John S. Roberts, Jr. FACTS Center McVey Hall Room 100 +-+  
>--+ Communications Consultant Work: (606)257-2275 Home: 272-1417 +-+  
>--+ University of Kentucky Ham: KD4UBM DoD: 727 '85 Shadow +-+  
>--+ Computing Center HomeUUCP: johnr%agnostic@ms.uky.edu +-+

Since this thread is about distributing what is essentially a database, why bother distributing a program at all! Just distribute the DATA in a standard format (CSV, xBase or whatever) and let everyone use whatever their favorite database-file-browser is to use it. There are certainly plenty of browsers/db-access programs out there already -- why write another one?

Yes, there could be some standard "forms" made available for some of the more popular programs, but nothing would stop anyone from making their own custom approach.

If it is really necessary to write a program to do some neat-o thing (like the suggested reading of a Loran receiver), make that SEPARATE from the data distribution. That way those of us (a tiny minority, I know) who DON'T have/use/like PC's are not shut out from the most important part -- the data.

73 de WA8TZG

--  
Bill Meahan |EFHD Information Systems Staff  
Plant Floor Systems Specialist |Ford Motor Company  
www@ef5003.efhd.ford.com | +1 313 487 6122  
. . !fmsrl7!pmsmam!www | I'm not paid to speak for Ford!

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Date: Thu, 7 Jan 1993 12:50:44 GMT  
From: usc!cs.utexas.edu!zaphod.mps.ohio-state.edu!menudo.uh.edu!sugar!  
jreese@network.UCSD.EDU  
Subject: Re: 430MHz band under threat!  
To: info-hams@ucsd.edu

In article <14570574@hpnmcla.sr.hp.com> alanb@hpnmcla.sr.hp.com (Alan Bloom) writes:  
>In rec.radio.amateur.misc, jreese@NeoSoft.com (Jim Reese) writes:  
>  
>>'scuse me...but have you ever had to PAY for the equipment involved in putting  
>>up a repeater? I didn't think so... If you had, you wouldn't think \$15  
>>per month was such a rip-off.  
>  
>Let's see, \$15/month is \$180/year per user. Even if you only had 10 users,  
>you be getting \$1800/year. At that rate, you could buy a decent repeater  
>out of one year's receipts. Unless you are paying really exorbitant site  
>rental fees, there's no way it should cost \$15/month per user.

The group I belong to is part of a large inter-city linked radio system. The Houston group supports six sites. That's six repeaters and thirteen full-duplex link radios. This includes all antennas, radios, duplexors, power, insurance, etc. Our budget easily exceeds \$1500 per year.

Our group dues are \$120 per year. As of last year, there was a \$90 surplus in the bank account. I'm not getting rich on this, folks...just paying the bills.

Radio systems like this one take maintenance. In the corrosive chemical air here in Houston, antennas must be replaced every three to five years, depending on location. I only use commercial antennas on my systems, so it's not unusual to spend \$500 plus on a repeater antenna. Liability insurance is 300-400 bucks a year, power bills run 100-150 per site, plus we want to have capital available for expansion of the system.

Not all radios are simple kerchunk boxes. Some are much more elaborate, and are much more expensive to maintain.

--  
Jim Reese, WD5IYT | "Real Texans never refer to trouble  
jreese@sugar.neosoft.com | as deep doo-doo" --Molly Ivins

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Date: 7 Jan 93 15:29:38 GMT  
From: newsserver.jvnc.net!yale.edu!spool.mu.edu!caen!zaphod.mps.ohio-state.edu!  
moe.ksu.ksu.edu!usenet-feed.cc.umr.edu!gbuffing@RUTGERS.EDU  
Subject: Sattellite Orbital Elements  
To: info-hams@ucsd.edu

Can anyone tell me if there is a 'place' on internet or accessable from internet where  
I can get Orbital elements for Amateur Sattellites?? I am particularly interested  
in  
OSCAR 21. Thanks in advance es 73.

Gavin D. Buffington N0ECQ  
e-mail: gbuffing@physics.umr.edu  
rf: 145.45- / 443.85+ / 1284.6-  
Rolla MO, 65401

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Date: 7 Jan 93 16:07:52 GMT  
From: news-mail-gateway@ucsd.edu  
Subject: Subscribing to info-hams  
To: info-hams@ucsd.edu

S[D[D[DOnce again, those subscribing and unsubscribing, send ur request  
to LISTSERV@UCSD.EDU not info hams.

Seth T. KC2WE

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Date: Thu, 7 Jan 1993 06:47:36 GMT  
From: noc.near.net!lynx!random.ccs.northeastern.edu!acm139@uunet.uu.net  
Subject: Thanks  
To: info-hams@ucsd.edu

I don't want to waste much bandwidth here, but I just wanted to thank all  
those who have responded to my questions posted to this group.

I have already given a brief summary from the replies received from my HT question, and I'd now like to give a brief summary regarding the replies I received from my Isoloop HF antenna question (which you might now how guessed I will not be pursuing since I ended up purchasing the HT instead). :)

In short, most people liked the Isoloop (some said it performed better than their dipoles), while others said it was too pricey for them, and recommended looking into MFJ's version of the Isoloop. I've seen MFJ's ad, but have not seen any reports about the antenna on the net, nor have I pursued calling MFJ about the antenna.

Again, thanks much for your help.

(No, I'm lot losing my account or anything like that. I just thought I'd be nice in this posting and say thanks).

---

| Scott Ehrlich                    Internet: wy1z@splinter.coe.northeastern.edu    |  
| Amateur Radio: wy1z              Packet Radio: wy1z@k1ugm.ma.usa.na  
|

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Date: 7 Jan 93 12:27:20 GMT  
From: news-mail-gateway@ucsd.edu  
Subject: W5YI - Economical with the truth?  
To: info-hams@ucsd.edu

Folks,

I just got a package from W5YI through the mail; you know the sort of thing .... subscription offers for The W5YI Report, Ham education books, etc. Also included was a rather cute square piece of paper, headed 'CONGRATULATIONS!' A real attention grabber.

At the risk of boring some folks, reproduced here is the portion of the text of this document with which I take issue:-

"Congratulations! on the recent upgrading of your amateur radio operator license! We note, however, that you upgraded without having your most recent FCC amateur radio operator license in your possesion. While this is perfectly legal, the FCC does not allow VEC's to forward amateur radio upgrade (Form 610) applications to them for new license issuance without a photocopy of the applicant's most pervious license attached. In view of this, we are HOLDING your FCC FORM 610 application here at the VEC Office until we receive a copy FROM YOU of your most previous amateur radio operator license.

We want you to receive your upgraded license AS QUICKLY AS POSSIBLE. You CANNOT receive your new amateur operator license without the previous license photocopy being attached to your pending application being held here at the VEC Office ....."

Now, what, precisely is my problem?

I started on the trail of a U.S. amateur license 18-Nov-92. At the session that day, for one reason or another, I had time only to get through enough elements to take me up to General class. A (very) few days later; 21-Nov-92, in fact, I attended a further session, completing the remaining elements to take me to Extra class. Of course, at the second session, I needed to fill out another '610. I did so, taking great care to complete the section which requested information on any pending application which was as yet unactioned by the FCC. My assumption was that they (the FCC) would be able to use that data to quickly tie up my two '610s. Seems I was mistaken.

OK - who can cite the FCC regulations cited by W5YI?

73 - Iain  
GORDI

g0rdi.bridgehouse@rxuk.xerox.com

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Date: 7 Jan 93 15:35:42 GMT  
From: swrinde!zaphod.mps.ohio-state.edu!rphroy!link.ph.gmr.com!  
vbreault@network.UCSD.EDU  
Subject: W5YI - Economical with the truth?  
To: info-hams@ucsd.edu

In article <".7-Jan-93.12:26:57".\*.Iain\_Philipps.Bridge\_House@RXUK.Xerox.com>  
GORDI.BRidge\_House@rxuk.xerox.COM writes:

<some deletions>

"Congratulations! on the recent upgrading of your amateur radio operator license! We note, however, that you upgraded without having your most recent FCC amateur radio operator license in your possession. While this is perfectly legal, the FCC does not allow VEC's to forward amateur radio upgrade (Form 610) applications to them for new license issuance without a photocopy of the applicant's most previous license attached. In view of this, we are HOLDING your FCC FORM 610 application here at the VEC Office until we receive a copy FROM YOU of your most previous amateur radio operator license.

<some deletions>

OK - who can cite the FCC regulations cited by W5YI?

97.19 (b)

"Each application for a renewed or modified amateur service license must be accompanied by a photocopy of the license document or the original document. Each application for a modified operator license involving a change in operator class must be submitted to the VEs administering the qualifying examination. All other applications must be submitted to: FCC: P.O. Box 1020, Gettysburg, PA 17326."

73 - Iain  
GØRDI

gØrdi.bridgehouse@rxuk.xerox.com

--  
-val-

Val Breault - GM Research - vbreault@gmr.com - N80EF  
Instrumentation dept., 30500 Mound Rd., Warren, MI 48090-9055  
The opinions expressed by the author do not necessarily reflect  
those of GMR or those of the General Motors Corporation.



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Date: Thu, 7 Jan 1993 06:38:39 GMT

From: noc.near.net!lynx!random.ccs.northeastern.edu!acm139@uunet.uu.net  
Subject: WANTED: Repeater controller comments  
To: info-hams@ucsd.edu

I am looking for USER REPORTS on the Computer Automated Technology CAT-1000 Repeater Controller.

I am primarily interested in the areas of Durability, Service problems, etc.

Also, if you have comments/suggestions/recommendations for any other repeater controller, please let me know, too.

The budget is under \$1000.

Thanks much in advance!

=====| Scott Ehrlich Internet: wy1z@splinter.coe.northeastern.edu |  
| Amateur Radio: wy1z Packet Radio: wy1z@k1ugm.ma.usa.na |  
=====

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Date: 7 Jan 93 16:23:28 GMT  
From: news-mail-gateway@ucsd.edu  
Subject: WWV Phone number?  
To: info-hams@ucsd.edu

The delay on the PSTN (Public switched telephone network) over inter and intralata facilities on T-1 (fiber, microwave or barbed wire) is about 6.2 microseconds per mile, each channel bank (a/d conversion from audio to T-1) is about 1.17 milliseconds and there are 2 per circuit, end to end. Then any analog voice facilities that make up the circuit could add 0.082 milliseconds per mile. Each switch machine (at called and calling end, depending on switch could add 0.55 to 1.0 milliseconds per end. The fact is that the delay is there, and may be difficult to calculate unless one knows the exact make up of the phone call. The difference between listening on HF radio, e.g. 5 Mhz and the phone line is that the phone line delay should be relatively constant per call, whereas listening on HF may vary due to HF propagation.

Seth T. KC2WE

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Date: Thu, 7 Jan 1993 15:53:51 GMT  
From: usc!zaphod.mps.ohio-state.edu!uwm.edu!linac!att!cbnewsm!  
jeffj@network.UCSD.EDU  
To: info-hams@ucsd.edu

References <1993Jan5.161735.17871@ke4zv.uucp>, <1icp0aINNmiv@transfer.stratus.com>, <1993Jan7.020947.11062@abo.fi>  
Subject : Re: QSL cards from SWLers (was Re: Ham transmissions-a hypot

In article <1993Jan7.020947.11062@abo.fi> MSUORANTA@FINABO.ABO.FI (Mika Suoranta Tkkk) writes:

>In <1icp0aINNmiv@transfer.stratus.com> fms@sw.stratus.com writes:

>

> Most hams don't bother to QSL swl-cards, but remember that  
> every swl-listener is a potential new ham. Some reception  
> reports have been useful, for example when I was testing my  
> very first homemade QRP-rig I couldn't make any QSO's for  
> weeks, but one UA1-station had heard me CQing and sent a card.

I would be ecstatic to receive to a SWL-card from anyone that listened to me and would QSL without a second thought! Maybe give them some encouragement to become a ham! I remember listening to pair of hams in high school on a Drake receiver and I think I sent a letter asking for a QSL card from one of them. Never got it though...

73!

**Jeff**

--

Jeff Jones AB6MB | Hooker : I'll do anything for \$50!  
jeffj@seeker.mystic.com | Henny Youngman: Will you paint my house?  
Infolinc BBS 415-778-5929 |

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End of Info-Hams Digest V93 #32

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